



Datenblatt - Fiche technique - Data sheet

**21.13.1147**



ROLINE Industrie Mini Konverter,10/100T-100SC

ROLINE Mini Convertisseur industriel, 10/100T-100SC

ROLINE Industrial Mini Converter, 10/100TX - 100FX (SC)

Item no.: 21.13.1147

## ROLINE Industrial Mini converter, 10/100T-100SC



### Features:

- Support full wire speed conversion for 10/100Mbps speed and media types
- Support auto-negotiation 10/100Mbps or forced mode on the copper port
- Auto MDI/MDI-X crossover function on the copper port
- Provide Link Fault Pass Through function
- Transparent conversion to 802.1Q VLAN tagged packets
- Provides Far End Fault function on FX (fiber) port
- The optimal latency for 100M to 100M conversion
- Two power interface types: screw terminal block and DC Jack
- Low power consumption
- DC power input options: +4.5 ~ +50VDC, 110VDC
- Supports DIN rail mounting and optional screwed plane mounting
- Compact design for easy installation in enclosure and chassis
- Supports wide operating temperature range
- Industrial-rated Emission and Immunity performance

## Specification:

Conversion	10BASE-T to 100BASE-FX, 100BASE-TX to 100BASE-FX 10/100BASE-T Auto to 100BASE-FX
Conversion Methods	Cut-through for 100M to 100M with the smallest latency Store-and-forward for 10M to 100M conversion Auto mode-switching
Copper Port	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX Shielded RJ-45 jacks with Auto MDI/MDI-X detection Auto-negotiation for speed and duplex
Fiber Port (FX)	IEEE 802.3u 100Base-FX compliant Forced 100Mbps, Full duplex Far end fault Function
Network Cables	10/100Mbps copper: Cat.5 up to 100m, 100BASE-FX: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber
Packet Size	Up to 1536 bytes for 10M-to-100M conversion No packet size limit for 100M-to-100M conversion
DC IN Voltage	NFC-241-L: +4.5 ~ +50VDC NFC-241-H: +110VDC with polarity protection
DC IN Connectors	Industrial Terminal Block 3P: DC+, DC-, PE DC Jack ( KFC-241-L)
Power Consumption	NFC-241-L: 1.6W@+7.5V, 1.6W@+12V, 2W@+48V NFC-241-H: 2.9W@110VDC
Housing	Enclosed metal with no fan
Dimension	NFC-241-L: 34 x 49 x 56mm (WxDxH)
Mounting Support	DIN-Rail, Panel, Wall
Environment	Operating temperature: -20°C ~ 70°C (Main device) Storage temperature: -30°C ~ +85°C Relative Humidity: 10%~90% non-condensing

## Fiber Optical Specification:

Model	Connector	Fiber	Wavelength	Tx Power	Rx Sens.	Rx Max.
-C	Duplex SC	1310nm	MMF 2km	-20 ~ -14dBm	-31dBm	0dBm

MMF: Multimode fiber -62.5/125 µm, 50/125 µm